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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 5

Complete if Known	
Application Number	10/664,705
Filing Date	September 18, 2003
First Named Inventor	Charles A. Altar
Art Unit	1649
Examiner Name	S. H. Standley
Attorney Docket Number	03235/100M087-US2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
SS	AA*	US-5,859,197	01-12-1999	Theill et al.	
SS	AB*	US-5,817,784	10-06-1998	Theill et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
SS	AC	FOCHTMANN, "Animal Studies Electroconvulsive Therapy: Foundations for Future Research," Psychopharmacology Bulletin, Vol. 30 No. 3, 321-381 (1994)	
SS	AD	BIEGON et al., "Localization of the Effects of Electroconvulsive Shock on ß-Adrenoceptors in the Rat Brain," European Journal of Pharmacology, 123:329-334 (1986)	
SS	AE	ALTAR et al., "Efficacy of Brain-Derived Neurotrophic Factor and Neurotrophin-3 on Neurochemical and Behavioral Deficits Associated with Partial Nigrostriatal Dopamine Lesions," Journal of Neurochemistry, 63:1021-1032 (1994)	
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SS	AG	MARTIN-IVERSON et al., "Brain-derived Neurophic Factor and Neurotrophin-3 Activate Striatal Dopamine and Serotonin Metabolism and Related Behaviors: Interactions with Amphetamine," The Journal of Neuroscience, 14 (3):1262-1270 (1994)	
SS	AH	SIUCIAK et al., "Antidepressant-Like Effect of Brain-derived Neurotrophic Factor (BDNF)," Pharmacology Biochemistry and Behavior, Vol. 56, No. 1, 131-137 (1997)	
SS	AI	ROCAMORA et al., "Limbic seizures induce a differential regulation of the expression of nerve growth factor, brain-dervied neurotrophic factor and neurotrophin-3, in the rat hippocampus," Molecular Brain Research, 13:27-33 (1992)	
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SS	AK	LUKASIUK et al., "cDNA profiling of epileptogenesis in the rat brain," European Journal of Neuroscience, Vol. 17, 271-279 (2003)	
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		Brain," Mol. Cells, Vol. 12, No. 2, 173-177 (2001)	
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SS	AN	JANG et al., "Isoform Specific Changes of Adenylate Cyclase mRNA Expression in rat Brain Following Chronic Electroconvulsive Shock," Prog. Neuro-Psychopharmacol. & Biol. Psychiat., Vol. 25, 1571-1581 (2001)	
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SS	AP	KOUBI et al., "Regulation of expression and enzymatic activities of tyrosine and tryptophan hydroxylases in rat brain after acute electroconvulsive shock," Brain Research, 905, 161-170 (2001)	
SS	AQ	SHEN et al., "Electroconvulsive shock regulates serotonin transporter mRNA expression in rat raphe nucleus," Psychiatry and Clinical Neurosciences, 55:75-77 (2001)	
SS	AR	BURNET et al., "Electroconvulsive shock increase tachykinin NK_1 receptors, but not the encoding mRNA, in rat cortex," European Journal of Pharmacology, 413:213-219 (2001)	
SS	AS	Chen et al, "Regulation of GFRα-1 and GFRα-2 mRNAs in Rat Brain by Electroconvulsive Seizure," Synapse, 39:42-50 (2001)	
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SS	AU	LAMMERA et al, "Selective increase of dopamine D_3 receptor gene expression as a common effect of chronic antidepressant treatments," Molecular Psychiatry, 5:378-388 (2000)	
SS	AV	MADSEN et al., "Electroconculsive Stimuli Enhance Both Neuropeptide Y Receptor Y1 and Y2 Messenger RNA Expression and Levels of Binding in the Rat Hippocampus," Neuroscience, Vol. 98, No. 1, 33-39 (2000)	
SS	AW	HUSUM et al., "Involvement of hippocampal neuropeptide Y in mediating the chronic actions of lithium, electroconvulsive stimulation and citalopram," Neuropharmacology, 39:1463-1473 (2000)	
SS	AX	VALENTINE et al., "Fragile X (*fmr 1)* mRNA expression is differentially regulated in two adult models of activity-dependent gene expression," Molecular Brain Research, 75:337-341 (2000)	
SS	AY	BURNET et al., "Expression of 5-HT receptors and the 5-HT transporter in rat brain after electroconvulsive shock," Neuroscience Letters, 277:79-82 (1999)	
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SS	BA	TAKAHASHI et al., "Chronic Antidepressant Administration Increases the Expression of cAMP-Specific Phosphodiesterase 4A and 4B Isofroms," The Journal of Neuroscience, 19(2):610-618 (1999)	
SS	BB	WATKINS et al., "Differential effects of electroconvulsive shock on the glutamate receptor mRNAs for NR2A, NR2B and mGluR5b," Molecular Brain Research, 61:108-113 (1998)	
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SS		gene expression for BDNF in rat brain compared with a single administration," Molecular Brain Research, 57:106-110 (1998)	
CS	BE	GARCIA et al., "Acute and repeated ECS treatment increases CRF, POMC and PENK gene expression in selected regions of the rat hypothalamus," Molecular Neuroscience, Vol. 9, No. 1, 73-77 (1998)	
SS	BF	PEI et al., "Changes in mRNA abundance of microtubule-associated proteins in the rat brain following electroconvulsive shock," Molecular Neuroscience, Vol. 9, No. 3, 391-394 (1998)	
SS	BG	O'DONOVAN et al., "Sequential Expression of Egr-1 and Egr-3 in Hippocampal Granule Cells Following Electroconvulsive Stimulation," Journal of Neurochemistry, Vol. 70, No. 3, 1241-1248 (1998)	
SS	BH	XING et al., "Rat nurr1 is prominently expressed in perirhinal cortex, and differentially induced in the hippocampal dentate gyrus by electroconvulsive vs. kindled seizures," Molecular Brain Research, 47:251-261 (1997)	
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SS	BK	ZACHRISSON et al., "Decreased Levels of Preprotachykinin-A and Tachykinin NK_1 Receptor mRNA in Specfic Regions of the Rat Striatum After Electroconvulsive Stimuli," European Journal of Pharmacology, 319:191-195 (1997)	
SS	BL	ZACHRISSON et al., "Effects of Chronic Lithium and Electroconvulsive Stimuli on Cholecystokinin mRNA Expression in the Rat Brain," Molecular Brain Research, 43:347-350 (1996)	
SS	BM	JUNG et al., "Induction of Tetradecanoyl Phorbol Acetate-Inducible Sequence (*TIS*) Genes by Electroconvulsive Shock in Rat Brain," Society of Biological Psychiatry, 40:503-507 (1996)	
SS	BN	MCGOWAN et al., "Hippocampal and Cortical G Protein ($G_s\alpha$; $G_o\alpha$ and $G_{i2}\alpha$) mRNA Expression After Elctroconvulsive Shock or Lithium Carbonate Treatment," European Journal of Pharmacology, 306:249-255 (1996)	
SS	BO	WOLDBYE et al., "Prolonged Induction of c-*fos* in Neuropeptide Y- and Somatostatin-immunoreactive Neurons of the Rat Dentate Gyrus After Electroconvulsive Stimulation," Brain Research, 720-111-119 (1996)	
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SS	BQ	NAYLOR et al., "Repeated ECS Induces GluR1 mRNA But Not NMDAR1A-G mRNA in the Rat Hippocampus," Molecular Brain Research, 35:349-353 (1996)	
SS	BR	FITZGERALD et al., "Electroconvulsive Seizure Increases the Expression of CREM (Cyclic AMP Response Element Modular) and ICER (Inducible Cyclic AMP Early Repressor) in Rat Brain," Journal of Neurochemistry, Vol. 66, No. 1, 429-432 (1996)	
SS	BS	CHEN et al., "Regulation of ΔFosB and FosB-like Proteins by Electroconvulsive Seizure and Cocaine Treatments," Molecular Pharmacology, 48:880-889 (1995)	
SS	BT	NIBUYA et al., "Regulation of BDNF and trkB mRNA in Rat Brain by Chronic Electroconvulsive Seizure and Antidepressant Drug Treatments," The Journal of Neuroscience, 15(11): 7539-7547 (1995)	

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Attorney Docket Number	03235/100M087-US2

SS	BU	SMITH et al., "Electroconvulsive Shock Increases Dopamine D_1 and D_2 Receptor mRNA in the Nucleous of the Rat," Psychopharmacology, 120:333-340 (1995)	
SS	BV	BURNET et al., "Repeated ECS Differentially Affects Rat Brain 5-HT_{1A} and 5-HT_{2A} Receptor Expression," Molecular Neuroscience, 6:901-904 (1995)	
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SS	BX	DZIEDZICKA-WASYLEWSKA et al., "The Effect of Prolonged Treatment with Imipramine and Electroconvulsive Shock on the Levels of Endogenous Enkephalins in the Nucleous Accumbens and the Ventral Tegmentum of the Rat," J. Neural Transm [Gen Sect], 102:221-228 (1995)	
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SS	BZ	BRADY et al., "Repeated Electroconvulsive Shock Produces Long-lasting Increases in Messenger RNA Expression of Corticotrophin-releasing Hormone and Trypsine Hydroxylase in Rat Brain," The Journal of Clinical Investigation, Inc., Vol. 94, 1263-1268 (1994)	
SS	CA	PASSARELLI et al., "Effects of Electroconvulsive Shock on the Levels of hsp70 and hsc73 mRNA in the Rat Brain," Neuroscience Letters, 177:147-150 (1994)	
SS	CB	MIKKELSEN et al., "Electroconvulsive Shock Increase the Expression of Neuropeptide Y (NPY) mRNA in the Piriform Cortex and the Dentate Gyrus," Molecular Brain Research, 23:317-322 (1994)	
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SS	CD	KRAGH et al., "Repeated Electroconvulsive Shocks Cause Transient Changes in Rat Hippocampal Somatostatin and Neuropeptide Y Immunoreactivity and mRNA in Situ Hybridization Signals," Exp. Brain Res., 98:305-313 (1994)	
SS	CE	BUTLER et al., "Chronic Electroconvulsive Seizures Increase the Expression of Serotonin2 Receptor mRNA in Rat Frontal Cortex," Journal of Neurochemistry, Vol. 61, No. 4, 1270-1276	
SS	CF	PASSARELLI et al., "Somatostatin mRNA in the Hippocampal Formation Following Electroconvulsive Shock in the Rat," Neuroscience Letters, 153:197-201 (1993)	
SS	CG	HOSODA et al., "Regulation of β_1-Adrenergic Receptor mRNA and Ligand Binding by Antidepressant Treatments and Norepnephrine Depletion in Rat Frontal Cortex," Journal of Neurochemistry, Vol. 60, No. 4, 1335-1343 (1993)	
SS	CH	KAPUR et al., "Electroconvulsive Shock Increase Tyrosine Hydroxylase and Neuropeptide Y Gene Expression in the Locus Coeruleus," Molecular Brain Research, 18:121-126 (1993)	
SS	CI	PRATT et al., "Electroconvulsive Shock Aalters $GABA_A$ Receptor Subunit mRNAs: Use of Quantitative PCR Methodology," Brain Research Bulletin, Vol. 30, 691-693 (1993)	
SS	CJ	WONG et al., "Induction of Constitutive Heat Shock Protein 73 mRNA in the Dentate Gyrus by Seizures," Molecular Brain Research, 13:19-25 (1992)	
SS	CK	LINDEFORS et al., "Repeated Electroconvulsive Shock Increases Tachykinin and Cholecystokinin mRNA Expression in Ventral Periaqueductal Gray," Neuroscience, Vol. 45, No. 1, 73-80 (1991)	
	CL	KANG et al., "$GABA_A$ Receptor mRNAs are Increased After Electroconvulsive Shock,"	

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		Psychopharmacology Bulletin, Vol. 27, No. 3, 359-363 (1991)	
SS	CM	COLE et al., "Rapid Rise in Transcription Factor mRNAs in Rat Brain After Electroshock-Induced Seizures," Journal of Neurochemistry, Vol. 55, No. 6, 1920-1927 (1990)	
SS	CN	HERMAN et al., "Chronic Electroconvulsive Shock Treatment Elicits Up-Regulation of CRF and AVP mRNA in Select Populations of Neuroendocrine Neurons," Brain Research, 501:235-246 (1989)	
SS	CO	XIE et al., "Single or Repeated Electroconvulsive Shocks After the Levels of Prodynorphin and Proenkephalin mRNAs in Rat Brain," Molecular Brain Research, 6:11-19 (1989)	
SS	CP	YOSHIKAWA et al., "Electroconvulsive Shick Increases Preproenkephalin Messenger RNA Abundance in Rat Hypothalamus," Proc. Natl. Acad. Sci. USA, Vol. 82, 589-593 (1985)	
SS	CQ	Masserano et al., "Electroconvulsive Shock Increases Tyrosine Hydroxylase Activity in the Brain and Adrenal Gland of the Rat," Science, Vol. 214, 662-665 (1981)	
SS	CR	NEWTON, et al., "Gene Profile of Electroconvulsive Seizures: Induction of Neurotrophic and Angiogenic Factors", J. Neurosci. 23(34):10841-51 (2003).	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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